

07 00 00 Thermal & Moisture Protection

07 27 00 Air Barriers
 07 27 26 Fluid Applied Membrane Air Barriers
 07 27 29 Air Barrier Coatings
 07 25 00 Weather Barriers

PRODUCT DATA SHEET

PROSOCO
 SINCE 1939



StuccoPrime

flexible primer interface for stucco application

StuccoPrime is part of the family of PROSOCO R-Guard® products developed to prevent the unwanted movement of water and air through building envelopes. StuccoPrime prepares surfaces treated with R-Guard FastFlash® liquid applied flashing membrane or R-Guard Cat 5® air and water barrier for application of conventional hard coat stuccos and plasters.

OVERVIEW

PROSOCO R-Guard® StuccoPrime is a flexible primer interface that allows stucco to be applied to masonry and concrete surfaces which have been protected with R-Guard Cat 5® or waterproofed with R-Guard FastFlash®. This single-component, 100% solids, Silyl-Terminated-Poly-Ether (STPE) is designed for brush, roller or trowel application. Cementitious stuccos, mortars and plasters bond tenaciously to StuccoPrime while preserving the integrity of the underlying waterproofing membrane.

StuccoPrime cures when it comes in contact with the wet stucco scratch coat. StuccoPrime is not water reduced and will not emulsify when exposed to water.

StuccoPrime dries slowly to allow time for the wet stucco scratch coat to be applied to the wet primer. Applied wet-on-wet, StuccoPrime and the stucco scratch coat cure together forming a strong chemical and mechanical bond.

Use StuccoPrime on CMU and other masonry surfaces that have been protected with R-Guard Cat 5® air and water barrier or the edge of openings protected with R-Guard FastFlash® liquid flashing membrane.

ADVANTAGES

- Solvent free. Isocyanate free. Complies with all known VOC regulations.
- Single component – saves time.
- Promotes bonding to surfaces protected with R-Guard Cat 5® or waterproofed with R-Guard FastFlash®.
- Slow drying allows stucco scratch coat to be applied wet-on-wet. Bond strength increases as stucco layers are fully hydrated.
- Elastomeric and breathable.
- Will not emulsify when exposed to water.
- Positively screened for successful performance under ASTM-E-84.

Limitations

- Use only over surfaces previously treated with R-Guard Cat 5® or R-Guard FastFlash®.
- Do not allow StuccoPrime to dry. Limit application of StuccoPrime to surfaces that can be covered with stucco scratch coat while primer is still “transfer wet to touch.”
- Application window will vary with surface and ambient temperatures, direct sunlight and wind. Schedule work accordingly.

SPECIFICATIONS

For all PROSOCO product specifications visit www.prosoco.com.

QUALITY ASSURANCE

PROSOCO R-Guard® StuccoPrime is a special order product available to approved applicators only. Site-specific training by an R-Guard field technical representative is required to project-certify stucco installation crews in proper use and application of R-Guard StuccoPrime.

REGULATORY COMPLIANCE

VOC Compliance

PROSOCO R-Guard® StuccoPrime is compliant with the following national, state and district VOC regulations:

- US Environmental Protection Agency
- California Air Resources Board SCM Districts
- South Coast Air Quality Management District
- Maricopa County, AZ
- Northeast Ozone Transport Commission

StuccoPrime

TYPICAL TECHNICAL DATA

R-Guard StuccoPrime	
FORM	Khaki green heavy liquid, mild odor
SPECIFIC GRAVITY	1.5 – 1.7
pH	not applicable
WT/GAL	13.312 lbs
ACTIVE CONTENT	100%
TOTAL SOLIDS	100%
VOC CONTENT	15 g/L
FLASH POINT	>200° F (>93° C)
FREEZE POINT	not applicable
SHELF LIFE	2 years in tightly sealed, unopened container
SHRINKAGE	None

Illustrations depicting the use of PROSOCO R-Guard® products are available at www.prosoco.com by downloading the R-Guard Installation Guidelines.

PREPARATION

Confirm that surfaces designated to receive stucco have been treated with R-Guard FastFlash® or R-Guard Cat 5® according to label instructions. Allow to dry overnight before application of R-Guard StuccoPrime.

Protect people, vehicles, property, plants and all other surfaces not intended to receive StuccoPrime.

Surfaces must be structurally sound and free of any contaminants.

Schedule application of StuccoPrime immediately before installation of the stucco scratch coat. Normal application window will vary depending upon wind, temperature and exposure.

Surface and Air Temperatures

Surface and ambient temperatures should be 35°F (2°C) and rising and below 110°F (43°C) during application and drying.

Wind and high temperatures will accelerate drying of StuccoPrime. If air or surface temperatures exceed 95°F (35°C), apply StuccoPrime to shaded surfaces and before daytime air and surface temperatures reach their peak. Since temperatures vary by day and exposure, test to determine the best dwell time between application of StuccoPrime and the wet stucco scratch coat. To promote full adhesion, StuccoPrime must be “transfer wet to touch” when the wet stucco scratch coat is installed.

Schedule breaks after scratch coat is installed. Drying caused by delays may compromise bond of stucco scratch coat.

Equipment

Apply using standard 3/8-inch nap rollers, brush or notched trowel.

Storage and Handling

Store in a cool, dry place. Keep container tightly closed when not dispensing. Do not open container until preparation work has been completed. Do not alter or mix with other chemicals. When stored at or below 80°F (27°C) R-Guard StuccoPrime has a shelf life of 24 months after the date of manufacture. This shelf life assumes upright storage of factory-sealed

ALWAYS TEST

ALWAYS TEST a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application.

containers. Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.

APPLICATION

Before use, read “Preparation” and “Safety Information.” **ALWAYS TEST** to confirm application timing and ensure desired results before overall application.

Application window will vary with surface and ambient temperatures, direct sunlight and wind. Schedule work accordingly.

Dilution & Mixing

Apply as packaged. Do not dilute or alter, or use for applications other than specified. Mix well before use with a low-speed drill and paddle to avoid mixing air into the primer.

Typical Coverage Rates

Coverage varies based on surface texture and irregularities.

PROSOCO R-Guard® StuccoPrime is sold in 1-gallon and 5-gallon containers.

PRIMER ESTIMATOR	
StuccoPrime	Estimated Coverage
6–8 mils	150–180 sq.ft. per 1-gal
	750–900 sq.ft. per 5-gal

StuccoPrime

Application Instructions

Allow R-Guard FastFlash® or R-Guard Cat 5® to dry overnight before applying R-Guard StuccoPrime. Schedule application of StuccoPrime immediately before installation of the stucco scratch coat. Normal application window will vary depending upon wind, temperature and exposure.

When only FastFlash® is used to prepare wall penetrations, apply StuccoPrime to the face of the wall extending 1 inch beyond termination of the FastFlash® application.

1. Prime: Apply StuccoPrime to the surface using a 3/8-inch nap roller. Using the roller or a notched trowel, spread StuccoPrime to achieve a uniform coverage of 6–8 wet mils. Over application may cause the stucco scratch coat to slide/sag before full bond is achieved.

To promote full adhesion, StuccoPrime must be “transfer wet to touch” when the wet stucco scratch coat is installed. If StuccoPrime is no longer “transfer wet to touch,” reapply as described above before proceeding with installation of the wet stucco scratch coat. The primer is still “transfer wet to touch” when material transfers to the hand when touched.

NOTE: StuccoPrime dries slowly to allow time for the wet stucco scratch coat to be applied to the wet primer. Applied wet-on-wet, StuccoPrime and the scratch coat cure together forming a strong chemical and mechanical bond. Normal application window will vary depending upon wind, temperature and exposure.

Hot Weather Precautions: Wind and high temperatures will accelerate drying of StuccoPrime. If air or surface temperatures exceed 95°F (35°C), apply StuccoPrime to shaded surfaces and before daytime air and surface temperatures reach their peak. Since temperatures vary by day and exposure, test to determine the best dwell time between application of the primer and the wet stucco scratch coat.

Schedule breaks after stucco scratch coat is installed. Drying caused by delays may compromise bond of stucco scratch coat.

2. Stucco Scratch Coat: Follow stucco manufacturer’s recommendations for mixing stucco with sand and preparation of the stucco scratch coat. Working from the bottom up and from one control joint to the next, apply 1/4-inch of stucco scratch coat to the “transfer wet to touch” primed surface. Do not interrupt application within a panel. Press the scratch coat firmly into the wet primer to ensure full and intimate contact. This action densifies the scratch coat, initiates cure and promotes bonding with the primer. Avoid excessive troweling.

Though the bond between StuccoPrime and the stucco scratch coat will continue to strengthen as all stucco layers are fully hydrated, initial bond strength will support application of the stucco brown coat within 1–3 days.

3. Stucco Hydration & Cure: Follow stucco manufacturer’s recommendations for frequency and duration of water hydration and cure between installation of stucco scratch coat, stucco brown coat and all subsequent stucco layers. Keep fresh stucco moist by fogging with water and/or covering with a plastic sheet to avoid premature drying of the stucco and ensure complete hydration.

Changes in weather will impact installation scheduling and hydration requirements. Wind and high temperatures will increase the frequency of hydration and/or protection requirements.

Proper hydration of the stucco scratch and brown coats will reduce cracking and curling, and promote improved bonding, weather resistance, strength and abrasion resistance.

Since drying occurs through the exposed face of the stucco scratch coat, take care to control drying and ensure full hydration. If sounding confirms an intimate bond exists on both sides of a crack no larger than 1/8-inch, proceed with normal installation of the stucco brown coat. To reduce the possibility of the crack telegraphing to the visible surface of the completed stucco project — and for larger cracks — repair the crack per stucco manufacturer’s instructions before proceeding.

Cleanup

Before product cures, clean tools and equipment immediately with mineral spirits or similar solvent.

BEST PRACTICES

Surfaces should be clean and in good repair before application.

Treat any surface imperfections and fill all inside corners of rough openings with R-Guard Joint & Seam Filler and/or R-Guard FastFlash®.

Protect all wall surfaces with PROSOCO R-Guard® Cat 5® air and water barrier.

Allow R-Guard Cat 5® or R-Guard FastFlash® to dry overnight before application of R-Guard StuccoPrime to the wall face.

Use StuccoPrime as is. Do not thin or alter.

StuccoPrime bonds tenaciously. Carefully protect all nearby surfaces not intended to be treated.

To promote full adhesion, StuccoPrime must be “transfer wet to touch” when the wet stucco scratch coat is installed. The primer is still “transfer wet to touch” when some of the material transfers to the hand when touched.

Hot Weather Precautions: Wind and high temperatures will accelerate drying of StuccoPrime. If air or surface temperatures exceed 95°F (35°C), apply StuccoPrime to shaded surfaces and before daytime air and surface temperatures reach their peak. Since temperatures vary by day and exposure, test to determine the best dwell time between application of the primer and the wet stucco scratch coat. Schedule breaks after stucco scratch coat is installed.

Keep fresh stucco moist by fogging with water and/or covering with a plastic sheet to avoid premature drying of the stucco and ensure complete hydration. Proper hydration of the stucco scratch and brown coats will reduce cracking and curling, and promote improved bonding, weather resistance, strength and abrasion resistance.

Common installation guidelines depicting use of PROSOCO R-Guard® products are available at www.prosoco.com.

To schedule field technical support, contact PROSOCO Customer Care toll-free at 800-255-4255. Field visits by PROSOCO personnel are for the purposes of making technical recommendations only. **PROSOCO is not responsible for providing job-site supervision or quality control. Proper application is the responsibility of the applicator.**

SAFETY INFORMATION

PROSOCO R-Guard® StuccoPrime contains calcium carbonate and may cause eye and skin irritation. Use with adequate ventilation, safety equipment and job site controls. Read Full Label and MSDS for Precautionary Instructions before use.

First Aid

Ingestion: DO NOT induce vomiting. DO NOT give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Eye Contact: Immediately rinse eyes with water. Remove any contact lenses. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Continue flushing eyes with running water for at least 15 minutes. Get medical attention if irritation develops.

Skin Contact: Wash affected areas with large amounts of running water and soap (if available) for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before re-use. Get medical attention if irritation develops and persists.

Inhalation: Remove to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and if available, give supplemental oxygen.

24 Hour Emergency Information:
INFOTRAC at 800-535-5053

WARRANTY

Information and recommendations are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made because we cannot anticipate every application or variations encountered in building surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects. **Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.** PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environmental and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care - technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Call Customer Care at 800-255-4255, or visit our web site at www.prosoco.com, for the name of the PROSOCO R-Guard® representative in your area.